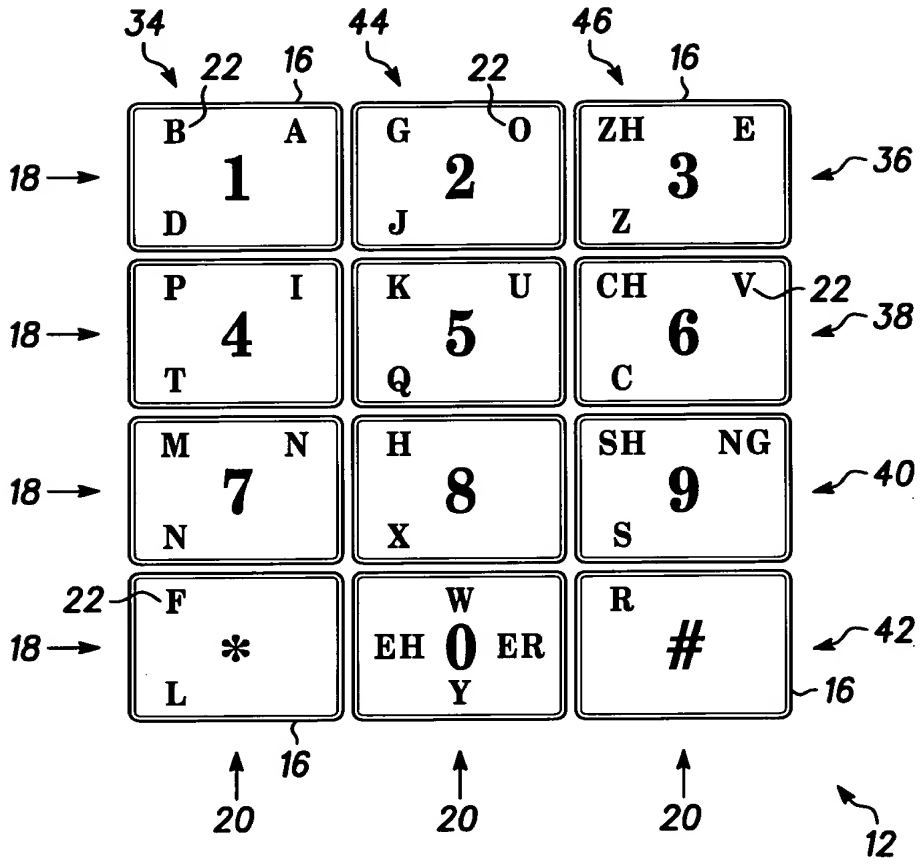


10 FIG. 1

	B	P	M	F		D	T	N	L	32
	1	2	3	4		5	6	7	8	
		G	K	H		J	Q	X		
32		9	10	11		12	13	14		
	ZH	CH	SH	R		Z	C	S		
32	15	16	17	18		19	20	21		
								32		

24 FIG. 2

	I	U	V
A	IA	UA	
E		UO	
O	IE		VE
AI		UAI	
EI		UEI	
AO	IAO		
OU	IOU		
AN	IAN	UAN	VAN
EN	IN	UEN	VN
ANG	IANG	UANG	
ENG	ING	UENG	
ONG	IONG		

28 FIG. 3

SEMI-INITIAL	W	Y	NOTHING
STARTING SOUND	U	I,V	A,O,E

26 FIG. 4

EH	ER

30 FIG. 5

TYPE 1	INITIAL(21)	FINAL(35)
TYPE 2	SEMI-INITIAL(2)	FINAL(35)
TYPE 3	INDEPENDENT(2)	

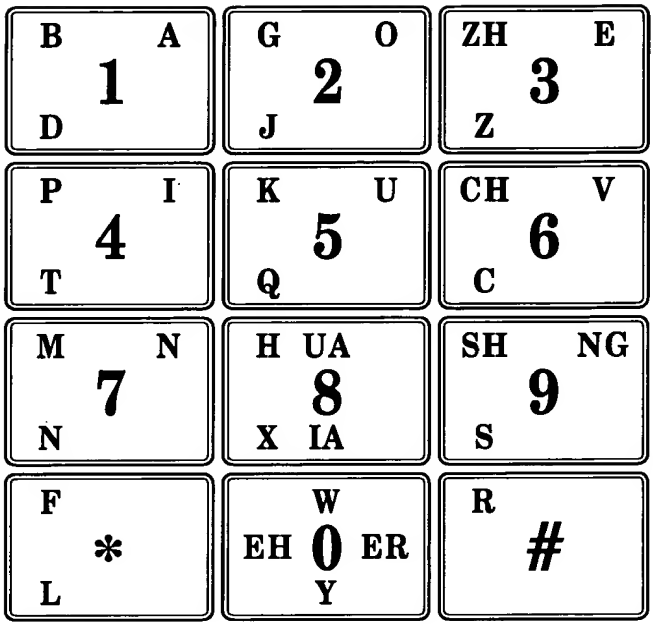
FIG. 6

PINYIN STANDARD	Ê	Ü
THIS DOCUMENT	EH	V

FIG. 7

UNIT	REGULAR SPELLING	SIMPLIFIED SPELLING	REGULAR SPELLING	SIMPLIFIED SPELLING
SYLLABLE	YVE	YUE	JV	JU
SYLLABLE	YVAN	YUAN	QV	QU
SYLLABLE	YVN	YUN	XV	XU
FINAL	IEN	IN	IOU	IU
FINAL	VEN	VN	UEI	UI
FINAL	IENG	ING	UEN	UN

FIG. 8



56 FIG. 9

REGULAR FINALS	UEI	IOU	UEN	IEN	IENG	VEN
IN TYPE-1	UI	IU	UN	IN	ING	VN
IN TYPE-2	WEI	YOU	WEN	YIN	YING	YUN
EQUIVALENT FINALS	EI	OU	EN	IN	ING	UN
REGULAR FINALS	V	VE	VAN	VN		UENG
IN TYPE-1	V	VE	NOT-IN-USE			
IN TYPE-2	YU	YUE	YUAN	YUN		WENG
EQUIVALENT FINALS	U	UE	UAN	UN		ENG

FIG. 10

	A	O	E	I	U	V	N	NG
A		AO		AI			AN	ANG
O					OU			ONG
E				EI			EN	ENG
I	IA	IONG	IE		IU		IN	ING
U	UA	UO	UE	UI			UN	
V			VE					
IA		IAO					IAN	IANG
UA				UAI			UAN	UANG

FIG. 11

		IA	IAN	IANG	IAO		UA	UAI	UAN	UANG	
1	B	D	B/D		B/D	3			D		D
4	P		P/T		P/T	3			T		T
7	M		M/N	N	M/N	3			N		N
*	F	L	L	L	L	2			L		L
2	G	J	J	J	J	3	G	G	G/J	G	J
5	K	Q	Q	Q	Q	3	K	K	K/Q	K	Q
8	H	X	X	X	X	3	H	H	H/X	H	X
0	ZH					2	ZH	ZH	ZH/Z	ZH	Z
6	CH					2	CH	CH	CH/C	CH	C
9	SH					2	SH	SH	SH/S	SH	S
#	R					1			R		
0	W					1			Y		Y

FIG. 12

B A 1 D	G O 2 J	ZH E 3 Z
P I 4 T	K U 5 Q	CH V 6 C
M N 7 IA N	H 8 X	SH NG 9 UA S
F * L	W EH 0 ER Y	R #

58 FIG. 13

B A 1 D	G O 2 J	ZH E 3 Z
P I 4 T	K U 5 Q	CH V 6 C
M N 7 N	H 8 X IA	SH NG 9 S
F * L	W EH 0 ER Y UA	R #

60 FIG. 15

		IA	IAN	IANG	IAO	N				NG	UA	UAI	UAN	UANG	
1	B	D	B/D		B/D	AN	3	A	2	ANG			D		D
4	P		P/T		P/T	IN	3	I	2	ING			T		T
7	M		M/N	N	M/N		2	N	1				N		N
*	F	L	L	L	L		1		1				L		L
2	G	J	J	J	J		1	O	2		G	G	G/J	G	J
5	K	Q	Q	Q	Q	UN	2	U	2		K	K	K/Q	K	Q
8	H	X	X	X	X		1		2		H	H	H/X	H	X
0	ZH					EN	1	E	3	ENG	ZH	ZH	ZH/Z	ZH	Z
6	CH							V	2		CH	CH	CH/C	CH	C
9	SH							NG	2		SH	SH	SH/S	SH	S
#	R								1				R		
0	W								1				Y		Y

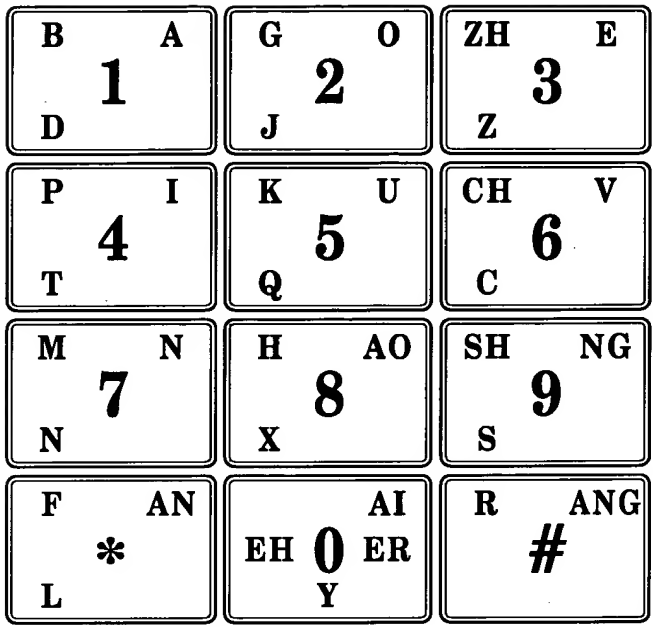
FIG. 14

GUO
LX 00083

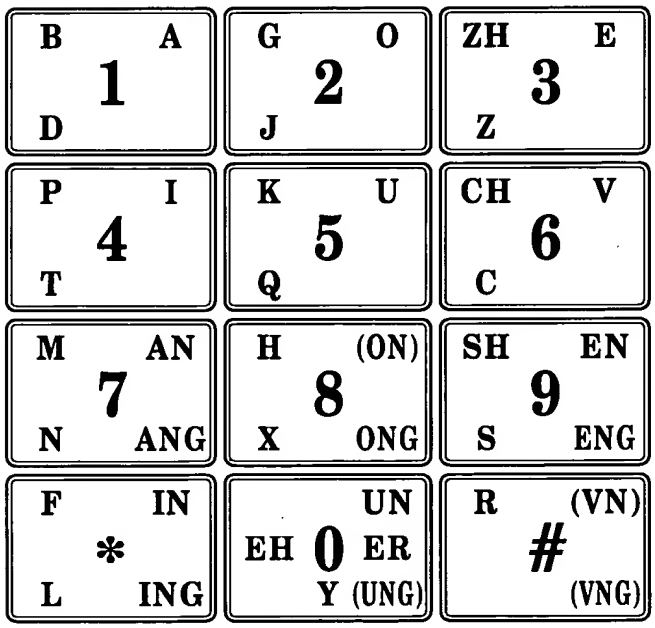
GUO
LX 00083

		IA	IAN	IANG	IAO				UA	UAI	UAN	UANG	
1	B	D	B/D		B/D	2		1			D		D
4	P		P/T		P/T	2		1			T		T
7	M		M/N	N	M/N	2		1			N		N
*	F	L	L	L	L	1		1			L		L
2	G	J	J	J	J	1		2	G	G	G/J	G	J
5	K	Q	Q	Q	Q	1		2	K	K	K/Q	K	Q
8	H	X	X	X	X	1		2	H	H	H/X	H	X
0	ZH							2	ZH	ZH	ZH/Z	ZH	Z
6	CH							2	CH	CH	CH/C	CH	C
9	SH							2	SH	SH	SH/S	SH	S
#	R							1			R		
0	W							1			Y		Y

FIG. 16



62 FIG. 17



64 FIG. 19

	A	O	E	I	U	V	N	NG	AO	AI	AN	ANG
A		AO		AI			AN	ANG				
O					OU			ONG				
E				EI			EN	ENG				
I	IA	IONG	IE		IU		IN	ING	IAO		IAN	IANG
U	UA	UO	UE	UI			UN			UAI	UAN	UANG
V			VE									

FIG. 18

	A	O	E	I	U	V	AN	ANG	ONG
N	AN		EN	IN	UN				
NG	ANG	ONG	ENG	ING					
I							IAN	IANG	IONG
U							UAN	UANG	

FIG. 20

GUO
LX 00083

	A	O	E	I	U	V
A		AO		AI		
O					OU	
E				EI		
I	IA		IE		IU	
U	UA	UO	UE	UI		
V			VE			

FIG. 21

	AO	AI
I	IAO	
U		UAI

FIG. 22

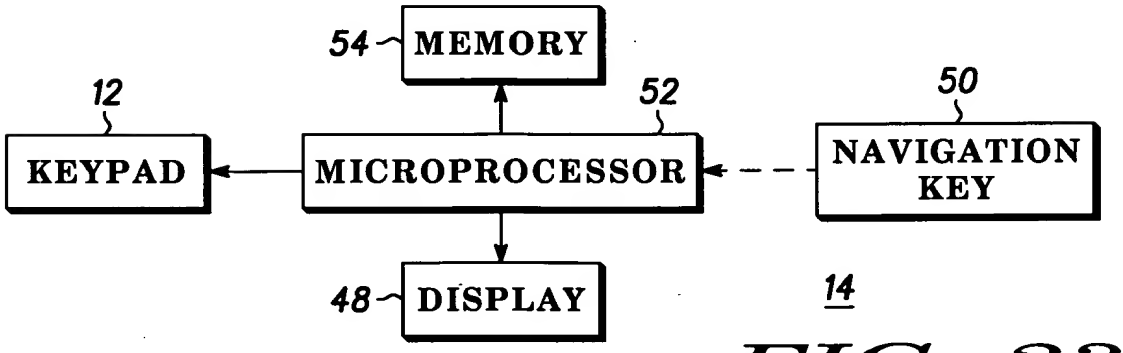


FIG. 23

PATENT APPLICATION

FIGURE NUMBER	KEYPAD NAME	BASE LAYOUT	SYMBOLS ADDED	SYMBOLS REMOVED	KEYS AFFECTED
1	BaGoZHe	Pinyin Letters			
9	HuaXia	BaGoZHe	IA,UA		8
13	NianSHuang	BaGoZHe	IA,UA		7,9
15	XiaYua	BaGoZHe	IA,UA		8,0
17	HoaWai	BaGoZHe	AO,AI,AN,ANG		8,*,0,#
19	ManShen	BaGoZHe	AN,ANG,ONG, EN,ENG, IN,ING,UN	N,NG	7,8,9,*,0,#

FIG. 24

GUO LX 00083